

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	6	("3556739"   "4322550"   "5426219"   "5628906"   "6229046"   "6320077").PN.	US-PGPUB; USPAT	ADJ	ON	2009/03/24 11:39
S2	8	("3556739").URPN.	USPAT	ADJ	ON	2009/03/24 13:17
S3	8	("3556739").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/03/24 13:18
S4	1835	(210/634,639).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/03/24 13:34
S5	12	S4 and (extract\$5) and (glycol near ether) and (((formic or acetic or propionic or butyric or lactic or citric or benzoic or ascorbic or adipid or succinic or methacrylic or lauric or stearic or glycolic) near acid) or glycerin or glucose or caprolactam or propanediol or butanediol or (p-toluene sulfonic acid) or (methane sulfonic acid) or (dodecylbenzene sulfonic acid))	US-PGPUB; USPAT	ADJ	ON	2009/03/24 13:37
S6	323	S4 and (extract\$5) and (((formic or acetic or propionic or butyric or lactic or citric or benzoic or ascorbic or adipid or succinic or methacrylic or lauric or stearic or glycolic) near acid) or glycerin or glucose or caprolactam or propanediol or butanediol or (p-toluene sulfonic acid) or (methane sulfonic acid) or (dodecylbenzene sulfonic acid))	US-PGPUB; USPAT	ADJ	ON	2009/03/24 14:06
S7	55	S6 and (temperature with depend\$4)	US-PGPUB; USPAT	ADJ	ON	2009/03/24 14:07
S8	2	("3573005").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/03/30 10:49
S9	8	("2413361"   "2594030"   "3029279"   "3927085").PN. OR ("4322550").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/03/30 10:52
S10	1	("4954260").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/03/30 11:02

S11	1	("4275234").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/03/30 11:19
S12	1835	(210/634,639).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/03/30 12:47
S13	121	S12 and (extract\$5) same (((formic or acetic or propionic or butyric or lactic or citric or benzoic or ascorbic or adipid or succinic or methacrylic or lauric or stearic or glycolic) near acid) or glycerin or glucose or caprolactam or propanediol or butanediol or (p-toluene sulfonic acid) or (methane sulfonic acid) or (dodecylbenzene sulfonic acid))	US-PGPUB; USPAT	ADJ	ON	2009/03/30 12:47
S14	16	S12 and (extract\$5) same (((formic or acetic or propionic or butyric or lactic or citric or benzoic or ascorbic or adipid or succinic or methacrylic or lauric or stearic or glycolic) near acid) or glycerin or glucose or caprolactam or propanediol or butanediol or (p-toluene sulfonic acid) or (methane sulfonic acid) or (dodecylbenzene sulfonic acid)) same ether	US-PGPUB; USPAT	ADJ	ON	2009/03/30 12:48
S15	1835	(210/634,639).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/03/31 07:06
S16	8	S15 and (extract\$5) and (((formic or acetic or propionic or butyric or lactic or citric or benzoic or ascorbic or adipid or succinic or methacrylic or lauric or stearic or glycolic) near acid) or glycerin or glucose or caprolactam or propanediol or butanediol or (p-toluene sulfonic acid) or (methane sulfonic acid) or (dodecylbenzene sulfonic acid)) and (glycol ether)	US-PGPUB; USPAT	ADJ	ON	2009/03/31 07:06

S17	5468	(extract\$5) and (((formic or acetic or propionic or butyric or lactic or citric or benzoic or ascorbic or adipid or succinic or methacrylic or lauric or stearic or glycolic) near acid) or glycerin or glucose or caprolactam or propanediol or butanediol or (p-toluene sulfonic acid) or (methane sulfonic acid) or (dodecylbenzene sulfonic acid)) and ((glycol ether) same (solvent))	US-PGPUB; USPAT	ADJ	ON	2009/03/31 07:09
S18	1338	(extract\$5) same (((formic or acetic or propionic or butyric or lactic or citric or benzoic or ascorbic or adipid or succinic or methacrylic or lauric or stearic or glycolic) near acid) or glycerin or glucose or caprolactam or propanediol or butanediol or (p-toluene sulfonic acid) or (methane sulfonic acid) or (dodecylbenzene sulfonic acid)) and ((glycol ether) same (solvent))	US-PGPUB; USPAT	ADJ	ON	2009/03/31 07:09
S19	7	S18 and "210"/\$.ccls.	US-PGPUB; USPAT	ADJ	ON	2009/03/31 07:09
S20	1178	(extract\$5) same (((formic or acetic or propionic or butyric or lactic or citric or benzoic or ascorbic or adipid or succinic or methacrylic or lauric or stearic or glycolic) near acid) or glycerin or glucose or caprolactam or propanediol or butanediol or (p-toluene sulfonic acid) or (methane sulfonic acid) or (dodecylbenzene sulfonic acid)) and ((glycol ether) with (solvent))	US-PGPUB; USPAT	ADJ	ON	2009/03/31 07:10
S21	6	S20 and "210"/\$.ccls.	US-PGPUB; USPAT	ADJ	ON	2009/03/31 07:11

S22	4829	(extract\$5) and (((formic or acetic or propionic or butyric or lactic or citric or benzoic or ascorbic or adipid or succinic or methacrylic or lauric or stearic or glycolic) near acid) or glycerin or glucose or caprolactam or propanediol or butanediol or (p-toluene sulfonic acid) or (methane sulfonic acid) or (dodecylbenzene sulfonic acid)) and ((glycol ether) with (solvent))	US-PGPUB; USPAT	ADJ	ON	2009/03/31 07:11
S23	39	S22 and "210"/\$.ccls.	US-PGPUB; USPAT	ADJ	ON	2009/03/31 07:11
S24	12	("2878182"   "4518396").PN. OR ("4919816").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/03/31 07:12
S25	2	("2834820").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/03/31 07:27
S26	4	("2834820").URPN.	USPAT	ADJ	ON	2009/03/31 07:29
S27	3	frank.in. and thyne.in.	US-PGPUB; USPAT	ADJ	ON	2009/03/31 07:38
S28	1633	(solvent extract\$4) and (glycol ether)	US-PGPUB; USPAT	ADJ	ON	2009/03/31 10:20
S29	1927	(solvent extract\$4) and (glycol ether)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/03/31 10:20
S30	1360	S29 and (((((formic or acetic or propionic or butyric or lactic or citric or benzoic or ascorbic or adipid or succinic or methacrylic or lauric or stearic or glycolic) near acid) or glycerin or glucose or caprolactam or propanediol or butanediol or (p-toluene sulfonic acid) or (methane sulfonic acid) or (dodecylbenzene sulfonic acid)) or (organic acid))	US-PGPUB; USPAT	ADJ	ON	2009/03/31 10:21

S31	1356	S29 and (((formic or acetic or propionic or butyric or lactic or citric or benzoic or ascorbic or adipid or succinic or methacrylic or lauric or stearic or glycolic) near acid) or glycerin or glucose or caprolactam or propanediol or butanediol or (p-toluene sulfonic acid) or (methane sulfonic acid) or (dodecylbenzene sulfonic acid))	US-PGPUB; USPAT	ADJ	ON	2009/03/31 10:21
S32	2	S31 and (LCST or (lower critical solution temperature))	US-PGPUB; USPAT	ADJ	ON	2009/03/31 10:22
S33	2	("3737392").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/03/31 10:23
S34	1341	S31 and (LCST or (lower critical solution temperature) or heat\$3 or temperature)	US-PGPUB; USPAT	ADJ	ON	2009/03/31 10:26
S35	806	S31 and ((heat\$3 or temperature) same (\$2miscib \$4 or \$2solub\$4 or phase))	US-PGPUB; USPAT	ADJ	ON	2009/03/31 10:27
S36	515	S31 and ((heat\$3 or temperature) with (\$2miscib \$4 or \$2solub\$4 or phase))	US-PGPUB; USPAT	ADJ	ON	2009/03/31 10:28
S37	12	S36 and "210"/\$.ccls.	US-PGPUB; USPAT	ADJ	ON	2009/03/31 10:28
S38	644	(solvent extract\$4) and ((glycol ether) with solvent)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/03/31 10:31
S39	307	S38 and (((formic or acetic or propionic or butyric or lactic or citric or benzoic or ascorbic or adipid or succinic or methacrylic or lauric or stearic or glycolic) near acid) or glycerin or glucose or caprolactam or propanediol or butanediol or (p-toluene sulfonic acid) or (methane sulfonic acid) or (dodecylbenzene sulfonic acid))	US-PGPUB; USPAT	ADJ	ON	2009/03/31 10:32
S40	124	S39 and (((heat\$3 or temperature) with (\$2miscib \$4 or \$2solub\$4 or phase)) or LCST)	US-PGPUB; USPAT	ADJ	ON	2009/03/31 10:32

S41	3542	((glycol near ether) near10 (solvent)) and (extract\$4) and (water or aqueous)	US-PGPUB; USPAT	ADJ	ON	2009/04/01 08:52
S42	10018	((glycol near2 ether) near10 (solvent)) and (extract\$4) and (water or aqueous)	US-PGPUB; USPAT	ADJ	ON	2009/04/01 08:52
S43	2500	S42 and (extract\$5) same (((formic or acetic or propionic or butyric or lactic or citric or benzoic or ascorbic or adipid or succinic or methacrylic or lauric or stearic or glycolic) near acid) or glycerin or glucose or caprolactam or propanediol or butanediol or (p-toluene sulfonic acid) or (methane sulfonic acid) or (dodecylbenzene sulfonic acid))	US-PGPUB; USPAT	ADJ	ON	2009/04/01 08:53
S44	12	S43 and "210"/\$.cls.	US-PGPUB; USPAT	ADJ	ON	2009/04/01 08:53
S45	109	((extract\$5) same (((formic or acetic or propionic or butyric or lactic or citric or benzoic or ascorbic or adipid or succinic or methacrylic or lauric or stearic or glycolic) near acid) or glycerin or glucose or caprolactam or propanediol or butanediol or (p-toluene sulfonic acid) or (methane sulfonic acid) or (dodecylbenzene sulfonic acid))) and (LCST or (lower critical solution temperature) or (lower critical point))	US-PGPUB; USPAT	ADJ	ON	2009/04/01 09:34
S46	43	S45 and (glycol near3 ether)	US-PGPUB; USPAT	ADJ	ON	2009/04/01 09:34
S47	78	((glycol near3 ether) same (((formic or acetic or propionic or butyric or lactic or citric or benzoic or ascorbic or adipid or succinic or methacrylic or lauric or stearic or glycolic) near acid) or glycerin or glucose or caprolactam or propanediol or butanediol or (p-toluene sulfonic acid) or (methane sulfonic acid) or (dodecylbenzene sulfonic acid))) and (LCST or (lower critical solution temperature) or (lower critical point))	US-PGPUB; USPAT	ADJ	ON	2009/04/01 09:50

S48	11	S47 and (solvent with extract \$4)	US-PGPUB; USPAT	ADJ	ON	2009/04/01 09:51
S49	26	((glycol near3 ether) same (carboxylic)) and (LCST or (lower critical solution temperature) or (lower critical point))	US-PGPUB; USPAT	ADJ	ON	2009/04/01 09:53
S50	2158	((glycol with ether) same (carboxylic near acid)) and (extract\$4) and (solvent with glycol with ether)	US-PGPUB; USPAT	ADJ	ON	2009/04/01 09:55
S51	9	S50 and "210"/\$.ccls.	US-PGPUB; USPAT	ADJ	ON	2009/04/01 09:55
S52	2286	((glycol with ether) same (carboxylic)) and (extract\$4) and (solvent with glycol with ether)	US-PGPUB; USPAT	ADJ	ON	2009/04/01 09:57
S53	1931	((glycol with ether) same (carboxylic)) and (solvent with extract\$4)	US-PGPUB; USPAT	ADJ	ON	2009/04/01 09:58
S54	10	"210"/\$.ccls. and ((carboxylic adj acid) or acetic or formic or propionic or butyric or lactic or citric or benzoic or ascorbic or adipic or succinic or methacrylic or lauric or steric or glycolic or methanoic or octanoic) with (glycol with ether) same separat\$4	US-PGPUB; USPAT	ADJ	ON	2009/04/01 09:58
S55	12	"210"/\$.ccls. and ((carboxylic adj acid) or acetic or formic or propionic or butyric or lactic or citric or benzoic or ascorbic or adipic or succinic or methacrylic or lauric or steric or glycolic or methanoic or octanoic) with (glycol with ether) same extract\$4	US-PGPUB; USPAT	ADJ	ON	2009/04/01 09:59
S56	216	"210"/\$.ccls. and ((carboxylic adj acid) or acetic or formic or propionic or butyric or lactic or citric or benzoic or ascorbic or adipic or succinic or methacrylic or lauric or steric or glycolic or methanoic or octanoic) with (glycol with ether)	US-PGPUB; USPAT	ADJ	ON	2009/04/01 10:01
S57	207	S56 and (extract\$4 or separat \$4 or purif\$7)	US-PGPUB; USPAT	ADJ	ON	2009/04/01 10:01

S58	241	"210"/\$.ccls. and ((carboxylic adj acid) or acetic or formic or propionic or butyric or lactic or citric or benzoic or ascorbic or adipic or succinic or methacrylic or lauric or stearic or glycolic or methanoic or octanoic) with (glycol with ether)	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/04/01 10:02
S59	229	S58 and (extract\$4 or separat\$4 or purif\$7)	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/04/01 10:02
S60	1835	(210/634,639).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/04/01 10:05
S61	28985	((carboxylic adj acid) or acetic or formic or propionic or butyric or lactic or citric or benzoic or ascorbic or adipic or succinic or methacrylic or lauric or stearic or glycolic or methanoic or octanoic) with (glycol with ether)	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/04/01 10:06
S62	9	S60 and S61	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/04/01 10:06
S63	25	("3344151"   "3879569"   "4124528"   "4147624"   "4260639"   "4559179"   "4578445").PN. OR ("5138075").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/04/01 10:08
S64	5	("5145781"   "5393898"   "6224872"   "6517840").PN. OR ("7282150").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/04/01 10:14
S65	3	((("5738791") or ("3624166") or ("4781820"))).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/04/02 09:06
S66	44	("1908018"   "2246297"   "2261287"   "2400802"   "2698831"   "2754249"   "2773005"   "2902428"   "3291728"   "3470089"   "3560375"   "3779904"   "3788980"   "3883420"   "4081355"   "4168226"   "4179362"   "4498980").PN. OR ("4781820").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/04/02 09:07
S67	53	((((carboxylic adj acid) or acetic or formic or propionic or butyric or lactic or citric or benzoic or ascorbic or adipic or succinic or methacrylic or lauric or stearic or glycolic or methanoic or octanoic) with (extract\$4)) and (solvent) and ((lower critical solution temperature) or (lower critical point) or (LCST))	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/04/02 09:10



S68	12298	(((((carboxylic or formic or acetic or propionic or butyric or lactic or citric or benzoic or ascorbic or adipid or succinic or methacrylic or lauric or stearic or glycolic) near acid) or glycerin or glucose or caprolactam or propanediol or butanediol or (p-toluene sulfonic acid) or (methane sulfonic acid) or (dodecylbenzene sulfonic acid)) with (extract\$4)) and (((heat\$3 or temperature) with (\$2miscib\$4 or \$2solub\$4 or phase)) or LCST or (lower critical solution temperature) or (lower critical point))	US-PGPUB; USPAT	ADJ	ON	2009/04/02 09:24
S69	179	S68 and "210"/\$.ccls.	US-PGPUB; USPAT	ADJ	ON	2009/04/02 09:25
S70	12	S69 and (glycol with ether)	US-PGPUB; USPAT	ADJ	ON	2009/04/02 09:26
S71	8	("2413361"   "2594030"   "3029279"   "3927085").PN. OR ("4322550").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/04/02 09:34
S72	32	("0686170"   "2223797"   "2710880"   "3944606"   "4275234"   "4334095"   "4444881"   "4698303"   "4771001"   "4963486"   "5068418"   "5079164"   "5089664"   "5104492"   "5210294"   "5210296").PN. OR ("5426219").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/04/02 09:50
S73	23	("3944606"   "4082788").PN. OR ("4334095").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/04/02 09:55
S74	21404	((((octanol or (ethyl hexanol or (ethyl\$1hexanol)) or pentanone or nonanoe or diisobutylketone or methylisobutylketone or (methylene chloride) or toluene or dichlorobenzene or (di\$3butyl ether)) and (glycol with ether)) same (solvent)) and (extract\$4)	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/04/02 10:22
S75	192	S74 and "210"/\$.ccls.	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/04/02 10:22

S76	122	S75 and (((carboxylic or formic or acetic or propionic or butyric or lactic or citric or benzoic or ascorbic or adipid or succinic or methacrylic or lauric or stearic or glycolic) near acid) or glycerin or glucose or caprolactam or propanediol or butanediol or (p-toluene sulfonic acid) or (methane sulfonic acid) or (dodecylbenzene sulfonic acid))	US-PGPUB; USPAT	ADJ	ON	2009/04/02 10:23
S77	1	("4275234").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/04/02 12:02
S78	29	(regenerat\$4 with solvent) and (hydrophobic or organic) and (glycol with ether) and (extract\$4) and "210"/\$.ccls.	US-PGPUB; USPAT	ADJ	ON	2009/04/02 12:40
S79	10877	((enhanc\$4 or facilitat\$4) with (separat\$4 or extract\$4 or \$2miscib\$5)) and (solvent with extract\$4)	US-PGPUB; USPAT	ADJ	ON	2009/04/02 12:43
S80	906	S79 and "210"/\$.ccls.	US-PGPUB; USPAT	ADJ	ON	2009/04/02 12:43
S81	85	S80 and (glycol with ether)	US-PGPUB; USPAT	ADJ	ON	2009/04/02 12:43
S82	10	"4954260"	US-PGPUB; USPAT	ADJ	ON	2009/04/02 13:32
S83	1	("4954260").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/04/02 13:32

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